

Energize Delaware Programs

Empowerment Grant – The Empowerment Grant Program remains healthy and very active the past few weeks. We closed our Large-Scale grant on April 24th. We have received 8 applications for funding totaling nearly \$10,000,000 in requests for funding. Staff has been busy cataloging the grant applications and preparing them for a review by the Grant Review committee. The Grant Review committee will convene and review these applications and make grant awards in June. It's our hope that grant awards for the large-scale grant will go out in July with most programs starting in the late summer or fall. The Community-Scale grant was launched on April 22nd. We had over 60 community members and potential grant applicants participate in a virtual launch of this grant on Zoom. In the coming weeks staff will be working with community members and teaming community organizations up with best practice programs and services to collaborate and solicit grant applications. There is no closing date for the community-scale grant, so we will review grants as they are submitted. The grants will range between \$5,000 and \$100,000 in size and will concentrate on grass roots efforts in energy efficiency within our low-income communities. We hope to award \$1,000,000 in funding in the coming months for the community-scale grants. Please visit our website: www.empowermentgrantde.org and “Like” us on Facebook.

ZeMod – In March, our second ZeMod home, for Ms. Theresa Mulegwa was moved to Harmony Hill located in Dover. Beracah is completing site work and exterior finishes. Theresa Mulegwa is the second client who will be moving into an Energize Delaware ZeMod home and tentative move in date will be sometime in May or June. The model which was located at Beracah homes has been sold to Ms. Alviset; closing occurred in April and her home should be set on her land in Sussex County sometime in the next 60 days—permits are being pulled to demo her existing mobile home. There are seven other



buyers in the pipeline and two of them are interested in the model located in Knoll Acres. USDA is behind on their loan application reviews. Construction approvals for the proposed ZeMod development in Greenwood are expected in the summer of 2020. Milford Housing is working to be able to do outreach through Facebook Live and other virtual resources. Utility PV interconnection has been slow for the Pleasanton model and the Knoll acres model—we are working to get this resolved and finalized. Interconnection application for Ms. Mulegwa will be submitted to Delmarva Power once the electric bill is put in her name. Energy Savings data is being collected and analyzed by VEIC and will be loaded into the Energy Orbit Energy Savings Database once interconnection issues are resolved.

Lights On – Delaware Strong – The installation of the lights and door to door canvassing has been suspended due to the COVID-19 pandemic. The HELP Initiative team has launched a phone campaign to reach out to the past participants of



this program to notify them of the locations of testing sites for the COVID-19 virus and other resources that they may benefit from --- including the Energize Delaware Facebook live sessions and HEC² energy counseling phone appointments. Prior to the suspension of the porch light installations in March, lights were installed in Wilmington (701), Georgetown, (142), and Laurel (402). This program has now served well over 2,000 homes across the State. HELP Initiative staff will be expanding this program into other communities once it has been determined that it is safe to do so.

Pictured here- Lights On Wilmington Campaign

Affordable Multifamily Housing Program – New Ecology, Inc., (NEI) continues working with clients on various phases of building upgrade designs, review of RFPs, proposals, and construction phases for clients with completed audits. Incentive checks are being issued for projects at Acorn Acres in Milford which completed LED Lighting Upgrades for the apartments, common areas and exterior and at Our Lady of Grace in Wilmington where the 60 apartments received technical assistance,

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modeling and design assistance for new construction and have received ENERGY STAR Certification. Projects at Quaker Arts and Riverside will move forward during the next several months and have been approved for the funding from the pilot construction loan program with Energize Delaware and DSHA to include energy efficiency features and LIHTC -- upgrades include Mini-split heat pump units, tankless water heating, ENERGY STAR appliances, windows and increased insulation at both properties. There has been some slow-down of projects due to the COVID-19 virus.



Photos above are for Acorn Acres in Milford and Our Lady of Grace in Newark

EEIF for Non-Profits – The Energy Efficiency Investment Fund for Non-Profits pace has slowed considerably. There has been no change during this reporting period. To date, 54 incentive payments have been paid to non-profit organizations totaling \$488,493. Data is being entered in the Energy Orbit Statewide Energy Savings Database for this program. DNREC is not utilizing Energy Orbit for EEIF projects funded by DNREC.

FY 20 SEU Budget for EEIF for Non-Profits	\$200,000
Total Paid in FY 20	\$129,291
Total Pre-Approved and under construction (5 projects)	\$ 16,278
Available Funds for FY 20	\$ 54,431

Energy Assessments for Non-Profits – Sixteen energy assessments have been completed so far in FY 20 for non-profit organizations. Assessment reports were delivered to Habitat for Humanity, Delaware City and Red Clay Creek Pres. Church. Follow up meetings to discuss implementation details and EEIF incentives with them have been scheduled via Zoom. UD IAC is currently working with the Kirkwood Library, Rockwood Park and Delaware City Fire Company on potential assessments. LED T8 tubes donated by Phillips Lighting are also being installed by UD students during the assessments.

Energize Delaware Farm Program – EnSave, our program implementer, is currently working with program applicants for incentives funded through this program. Approved efficiency measures include lighting, radiant heaters, building envelope and ventilation. EnSave is working with applicants to maximize funding resources through the Energize Delaware Farm Program and the NRCS EQIP and RCPP programs to leverage additional resources and install more projects.

Audits complete to date	57
Technical Assistance Reports Completed to date	20
Incentives Paid this fiscal year (July-October)	\$401,676
Number of Farms receiving incentives	56
Approved Incentives for projects in process	\$69,275

Faith Efficiencies – No energy assessments were completed during this reporting period and activities have been suspended during the shutdown due to COVID-19 virus. Lisa Locke is encouraging faith-based congregations to participate in virtual energy workshops and is coordinating with Angie Bivens on ways to deliver webinars and presentations virtually during this time. Earth Care/Energy & Climate Displays for houses of worship are also on hold.

Windows of Hope – Currently suspended. An initiative through Faith Efficiencies –is working with Temple United Helping Hands a 501c3 organization–

Climate Conversations - A virtual Zoom Climate Conversation, facilitated by Delaware Technical and Community College was held on April 20 with approximately 30 participants including community members, students and faculty—an introductory presentation was provided, followed by breakout rooms for facilitated conversations with smaller groups and then everyone came back together via Zoom to summarize discussions. Future in-person

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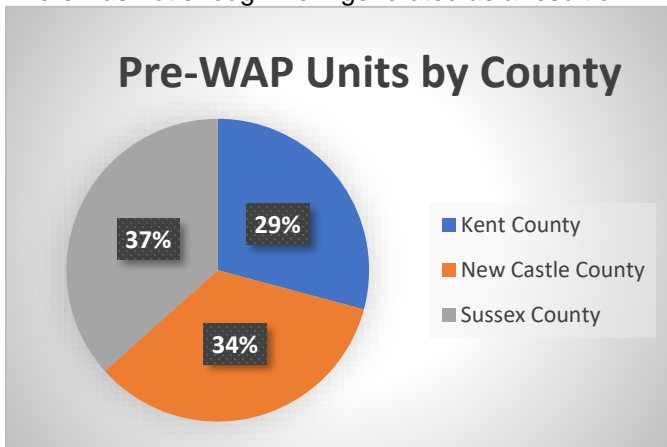


Climate Conversations have been canceled and virtual presentations are being considered--for additional information contact Lisa Locke at llocke@delawareipl.org

Pathways to Green Schools Program – Due to the COVID-19 follow up debrief meetings with schools are being held remotely when possible and some have been postponed. Two schools have been selected to receive the Green Ribbon Award from the U.S. Department of Education – Odyssey Charter School and Ursaline Academy (pictured below). Data from the energy audits and follow-up implementation reports is being uploaded into the Energy Orbit Statewide Energy Savings Database. Building operator training will now be offered as two online webinars vs. in-person workshops. Dates have not yet been scheduled. Green Building United has added a section to their resource document for educators to the to include helpful tools and resources for online teaching and learning during the pandemic - [Pathways Resources document](#)



Pre-Weatherization Program – This program has ended. Catholic Charities(CC) ended their contract with us to deliver this program. There was not enough work generated as a result of DNREC ending the CC contract for WAP in Kent and Sussex Counties and issuing



Units completed to date Pre-WAP	377
Units completed & through WAP	343
Units completed 2020 calendar year	21
Average cost of repairs per unit	\$4,000
Total Units in New Castle County	129
Total Units in Kent County	110
Total Units in Sussex County	138

an RFP for a new sub-contractor. In addition, WAP services were suspended statewide as a result of COVID-19. We are in the process of finalizing any outstanding contract obligations with Catholic Charities.

Home Energy Counseling & Check-up HEC² – Program has suspended in home checkups due to the COVID-19 Pandemic. Social media posts featuring energy counseling over the phone and weekly Facebook Live workshops (Thursdays at 2 pm) are being posted. These offerings seem to be well received over the past few weeks.

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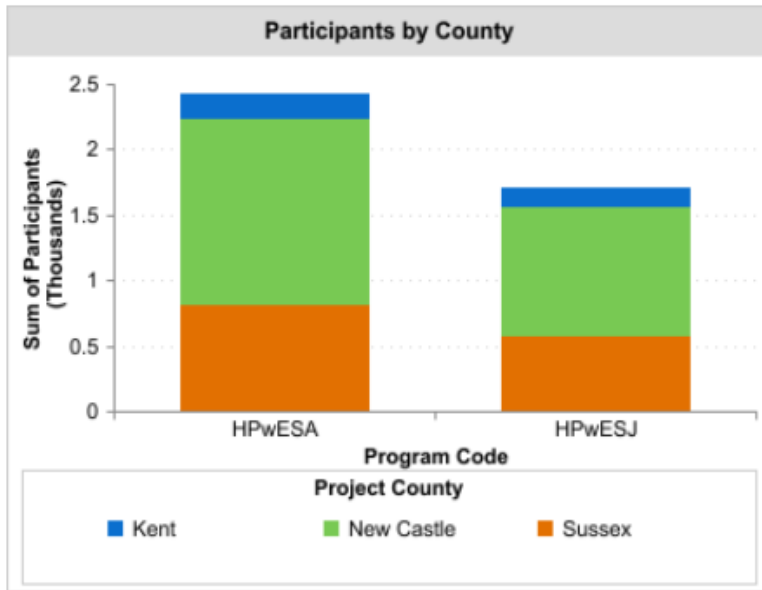
HEC2 - In Home Assessments													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19											6	10	16
FY20	14	62	13	34	26	12	46	74	14				295
FY21													-
FY22													-
FY23													-
FY24													-
FY25													-

HEC2 - Workshop Participants													Totals
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
FY19											12	19	31
FY20	0	0	0	30	41	-	46	12	25				154
FY21													-
FY22													-
FY23													-
FY24													-
FY25													-

Home Performance with ENERGY STAR Program – Energize Delaware has been awarded the 2020 ENERGY STAR Partner of the Year Award for Sustained Excellence again this year. Award ceremony that was to be held in April was cancelled. This Program has slowed its pace due to the COVID-19 virus.



Home Performance with Energy Star



HPwESA - Home Performance Audit // HPwESJ - Home Performance Jobs

Projects are still being completed by customers that do not mind a contractor coming into their home in a safe manner or completing projects in basements and attics that do not require entrance into their homes. The Best Practices Working Group (BPWG) met in April to discuss ways to increase program participation and to assist with work continuing once the stay at home orders are lifted. Incentives for some projects are being evaluated and increased where it makes sense. A webinar was held for all interested contractors to provide information on the Small Business Loan programs and other resources that may help their businesses. Desk audits to review post installation work vs. field inspections have started requiring photographs to document equipment and measures installed in an effort to keep work continuing for the contractors, not holding up customer incentives, and reducing contact with program participants. We will continue to monitor the program and make adjustments as needed. Figure at left, shows participation by county program to date.

Charts below provided by Franklin Energy show a comparison of Assessments and Jobs in the program year over year. Note that the assessments reported for March are inflated due to a backlog of assessments that were updated in the system due to a software glitch at Franklin Energy.

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HPwES - Assessments													
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Totals
FY14								1	17	15	25	27	85
FY15	16	9	17	47	46	57	60	67	69	59	40	53	540
FY16	34	42	64	90	61	40	70	53	58	78	94	109	793
FY17	119	111	100	76	114	105	124	95	108	135	172	203	1,462
FY18	171	160	160	190	182	97	0	187	176	0	329	189	1,841
FY19	61	79	25	92	51	69	67	78	108	108	130	167	1,035
FY20	186	127	76	111	85	95	119	74	245				1,118

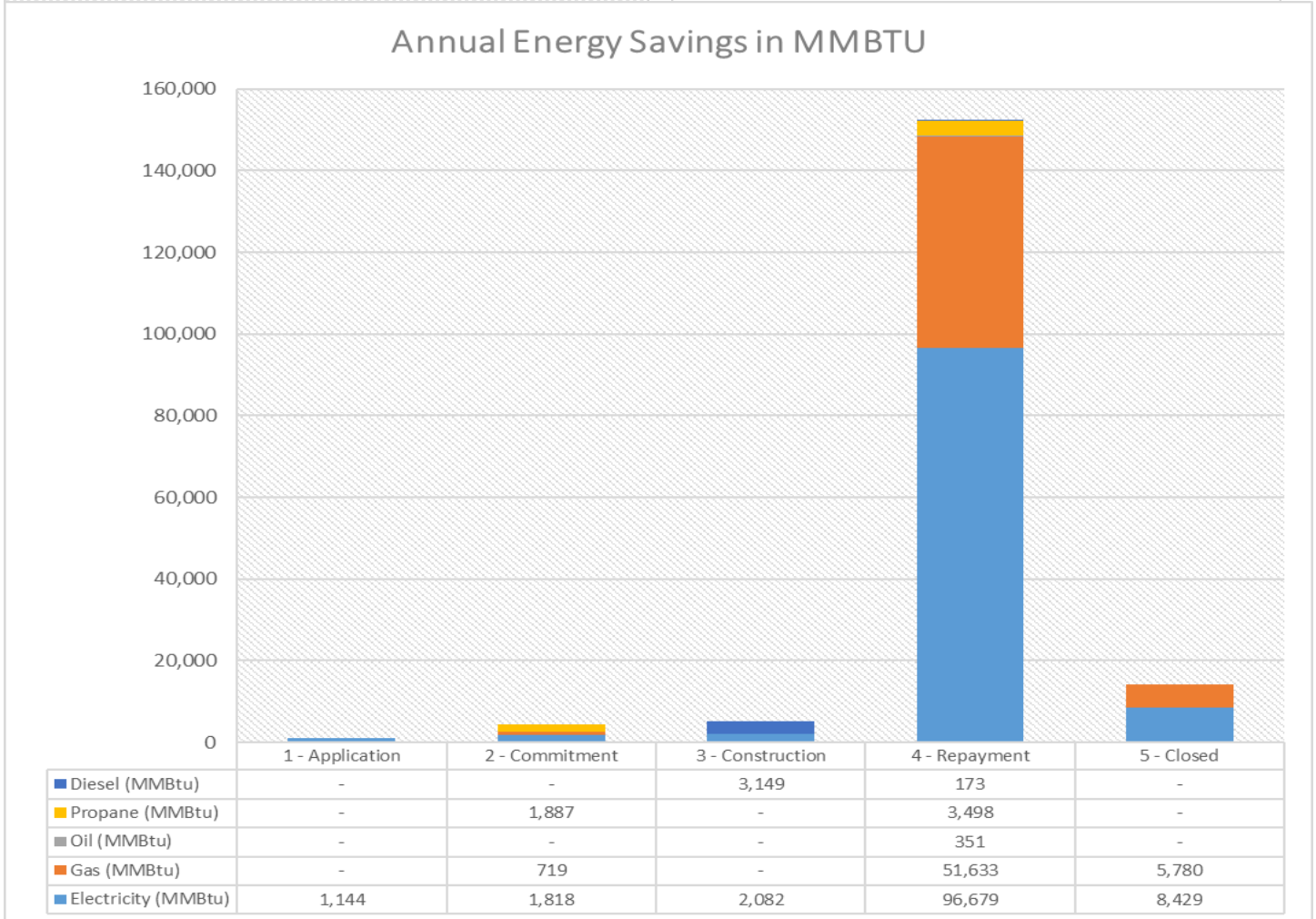
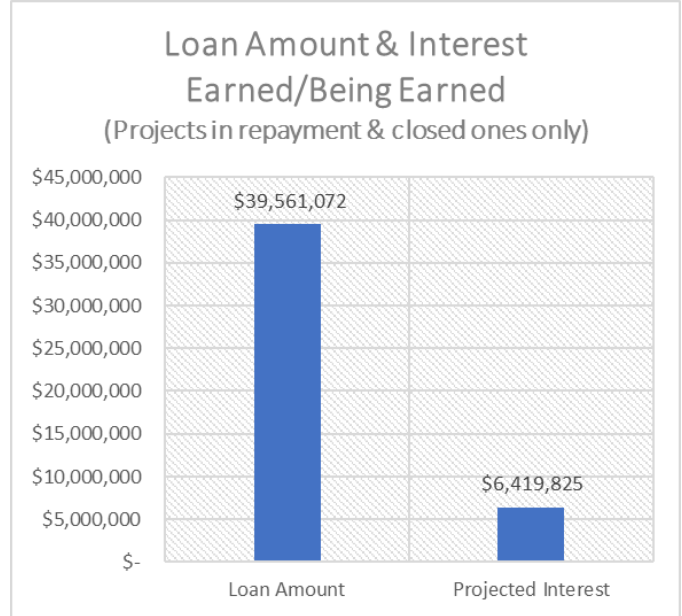
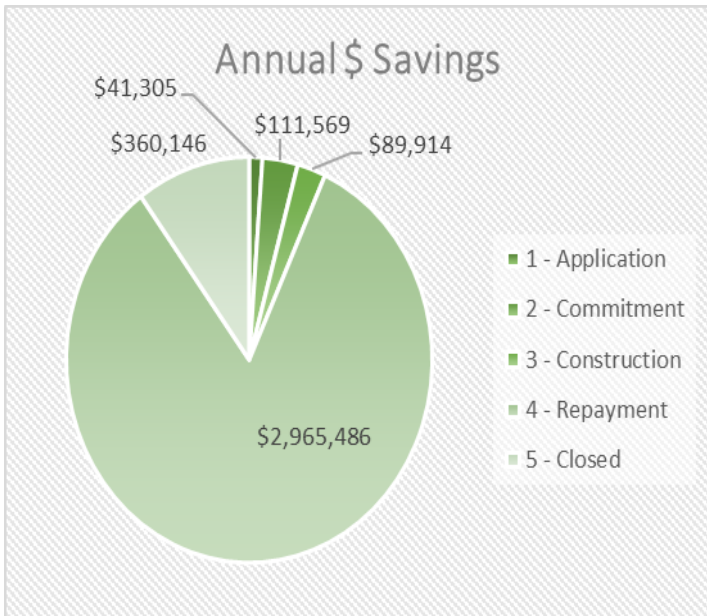
HPwES - Jobs													
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Totals
FY14	0	0	0	0	0	0	0	0	4	9	6	7	26
FY15	4	12	10	2	11	12	15	32	27	27	24	21	197
FY16	14	7	18	20	24	24	20	34	32	25	26	16	260
FY17	40	34	31	43	58	57	82	62	76	76	110	164	833
FY18	146	181	180	159	220	133	0	37	113	120	175	89	1,553
FY19	45	54	153	12	45	46	81	34	57	46	64	106	743
FY20	122	33	114	81	121	69	60	115	51				766

Energize Delaware Loan Programs:

Residential Solar Loan Program – To date, 204 loan applications have been submitted; 11 applications were rejected due to credit score or debt to income ratio and four were withdrawn. This program has approved loans totaling \$3,041,444; loans totaling \$2,881,112 have completed their projects and moved into repayment status and 10 projects totaling \$160,331 are under construction. Eight loans missed payments in March. 19 loans have been repaid. Data has been added to the Energy Orbit Statewide Energy Savings Database. Applications for loans has slowed over the past two months likely due to the COVID-19 virus and a deferred payment process policy has been approved by the DESEU Board.

Residential Energy Efficiency Loan Program – To date, 87 loan applications have been submitted totaling \$836,634; 65 have been completed and paid to contractors totaling \$782,909 and 4 are under construction totaling \$53,725. Seventeen were rejected due to high debt to income ratio and one was withdrawn. Two loan payments were outstanding for March and we have not yet received the May report. Three loans have been repaid in full. Activity on the energy efficiency loan program have slowed considerably over the past two months likely due to the COVID-19 virus situation and a deferred payment process policy has been approved by the DESEU Board. This program is being tracked in the Energy Orbit Energy Savings Database in conjunction with the Home Performance with ENERGY STAR Program.

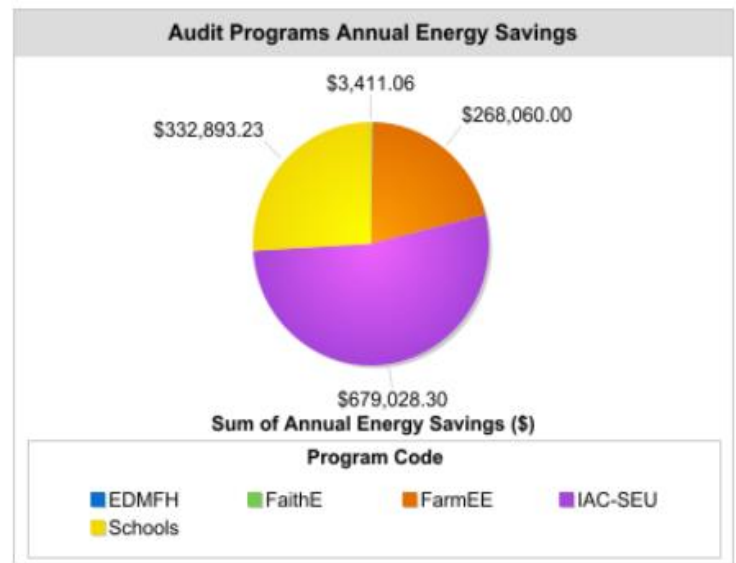
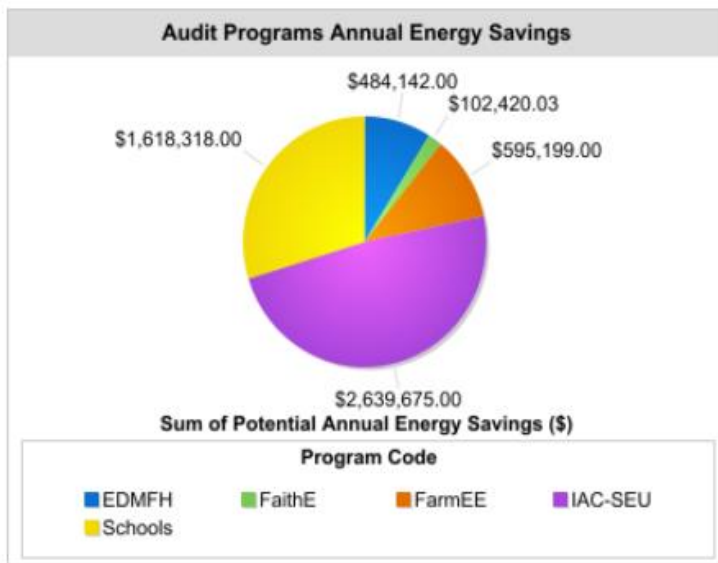
Low-Interest Commercial Loan Program – The total amount of loan portfolio is \$39,561,072. We have 62 loans in repayment status totaling \$32,679,975 and four projects are under construction totaling \$1,760,469. Data below is from our Loan Tracking Spreadsheet and reflects data from the Commercial Loan Program.



Energy Savings Database Reports - The charts below are from the Energy Orbit Statewide Energy Savings Database. The data in the charts is for program activity to date. These pie charts show potential energy savings identified for the Energize Delaware Affordable Multifamily Program, Faith Efficiencies Program, Energize Delaware Farm Program, Pathways to Green Schools Program and the Energy Assessment Program for Non-Profits. The implemented charts show data where clients were surveyed post audit to collect implemented energy savings. We continue to do data quality testing and learn how to extract data for reporting needs. Athena Bi is now overseeing this effort on as one of her responsibilities. Program implementers are reminded to update data on a monthly basis---during 2020 we will be monitoring this activity and pressing program implementers and contractors to enter data monthly.

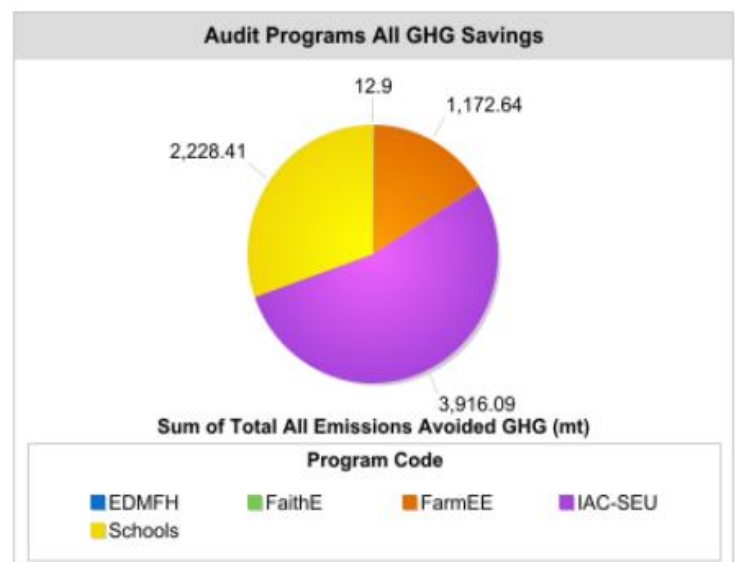
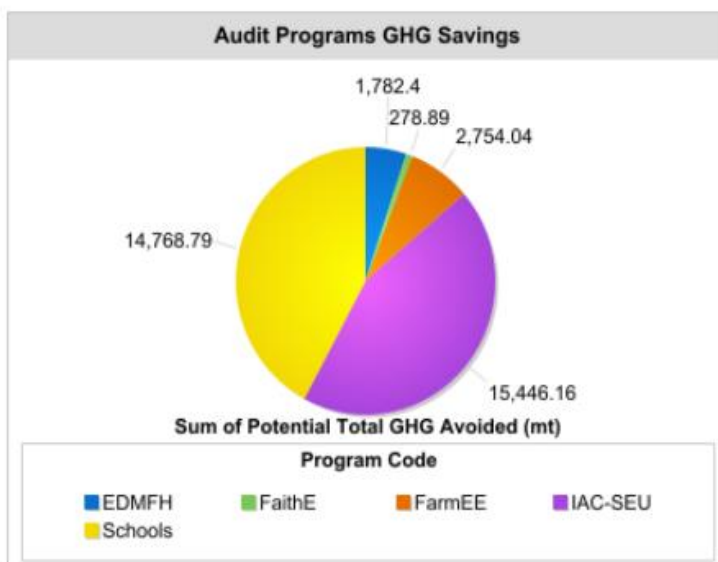
Potential

Implemented



Audit Programs - Savings Identified: **\$5.4M**

Audit Programs - Savings Implemented: **\$1.3M**



Audit Programs - Potential GHG Avoided:: **35K**

Audit Programs - Implemented GHG Avoided:: **7K**